6.5 The Coordinate Plane Assignment

Name _____ Period _____

Write an ordered pair corresponding to the point and tell what quadrant the point is in.

1. Point A (___, ___) Quad _____

2. Point B (___, ___) Quad _____

3. Point C (___, ___) Quad _____

4. Point D (___, ___) Quad _____
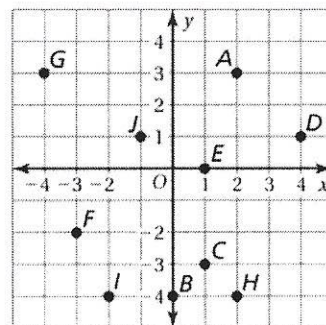
5. Point E (___, ___) Quad _____

6. Point F (___, ___) Quad _____

7. Point G (___, ___) Quad _____

8. Point H (___, ___) Quad _____

9. Point I (___, ___) Quad _____

10. Point J (___, ___) Quad _____

11. Describe and correct the error in the solution.

> ✗ To plot (3, -4), start at (0,0) and move 3 units up and 4 units left.

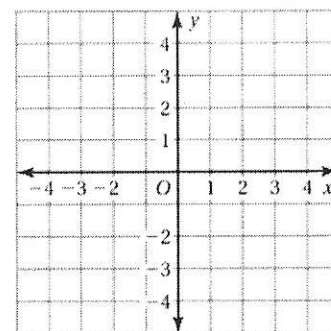12. Your house is located at $(0, 0)$.

   a. To get from your house to school, you walk 2 blocks east and 1 block south. What ordered pair corresponds to the location of your school?

   b. To get from your house to the mall, you walk 4 blocks west and 3 blocks north. What ordered pair corresponds to the location of the mall?

   c. Is your school or the mall closer to your home?

   d. Describe how you would walk from your school to the mall.

   e. Your friend lives 2 blocks from the mall. Is your friend's house in the same quadrant as the mall? Explain.

Graph the point given then reflect the point over (a) the *x*-axis and (b) the *y*-axis.

1. $(2, 4)$

2. $(-3, 1)$

3. $(-4, -1)$